

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Ikemoto et al.

Application No. Unassigned

Art Unit: Unassigned

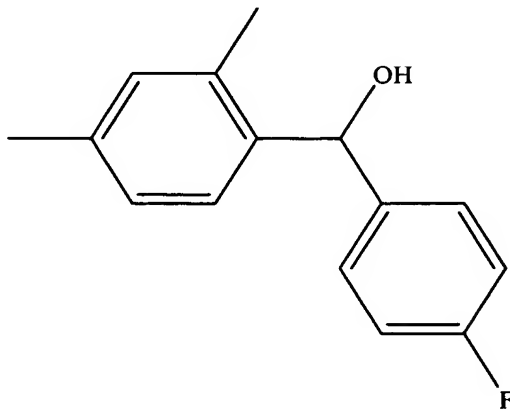
Filed: February 28, 2002

Examiner: Unassigned

For: PRODUCTION METHOD OF CITALOPRAM,  
INTERMEDIATE THEREFOR AND PRODUCTION  
METHOD OF THE INTERMEDIATE

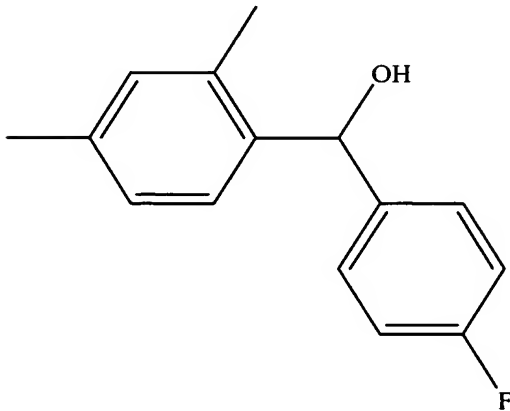
**PENDING CLAIMS AFTER ENTRY OF PRELIMINARY AMENDMENT**

1. A compound of the formula [ I ]



[ I ]

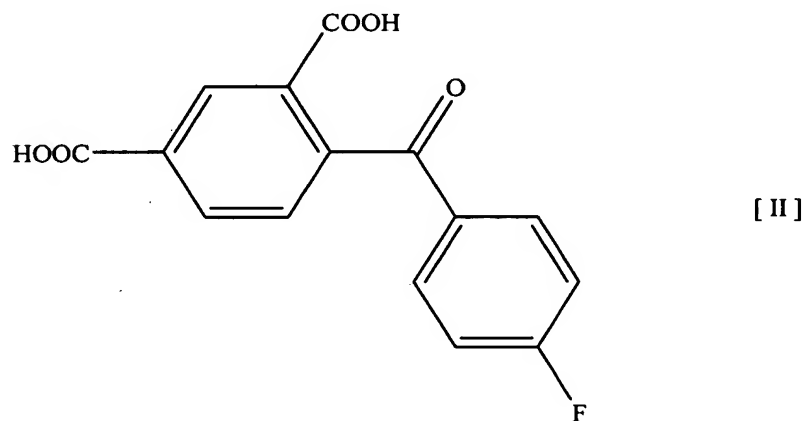
2. A production method of a compound of the formula [ I ]



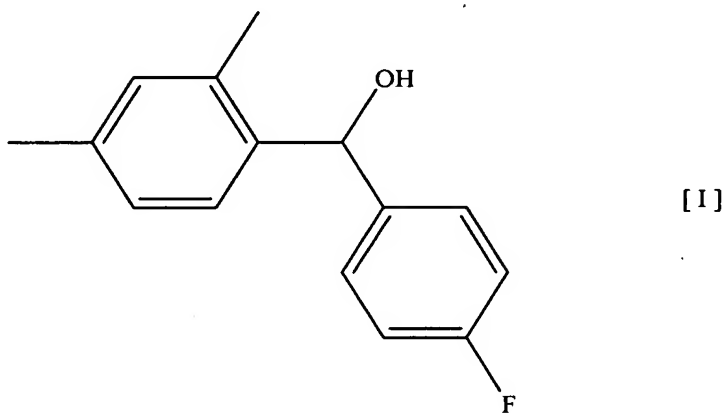
[ I ]

which comprises converting 4-bromofluorobenzene to 4-fluorophenylmagnesium bromide, and reacting the 4-fluorophenylmagnesium bromide with 2, 4-dimethylbenzaldehyde.

3. A production method of a compound of the formula [ II ]

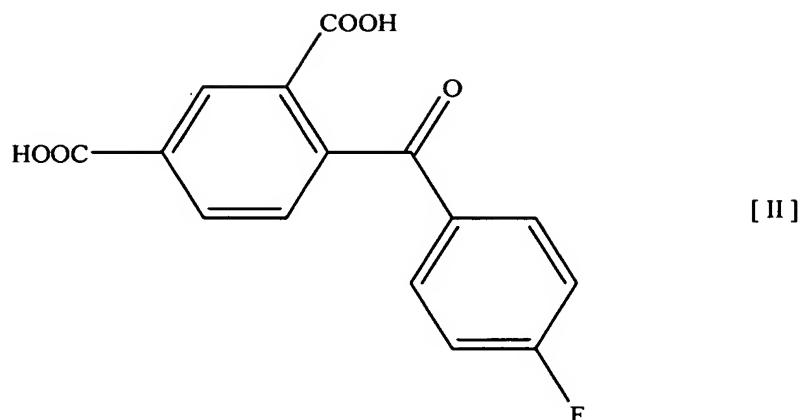


which comprises oxidizing a compound of the formula [ I ]



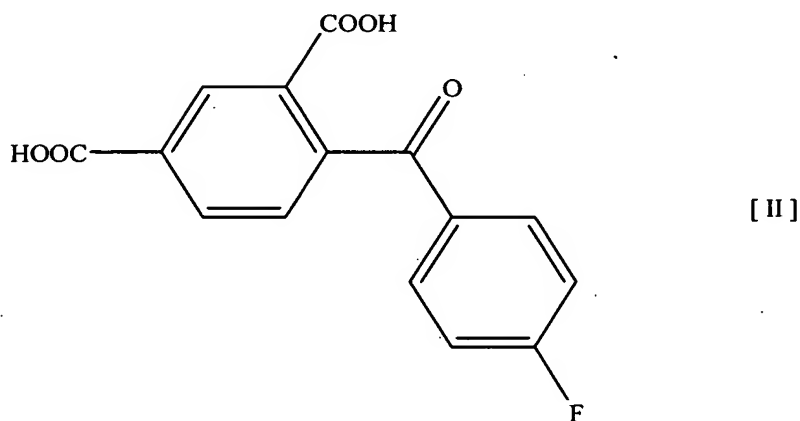
4. A production method of 1,3-dimethyl-4-(4'-fluorobenzoyl)benzene, which comprises subjecting m-xylene as a starting material and solvent to Friedel-Crafts reaction with 4-fluorobenzoyl halide.

5. A production method of a compound of the formula [ II ]



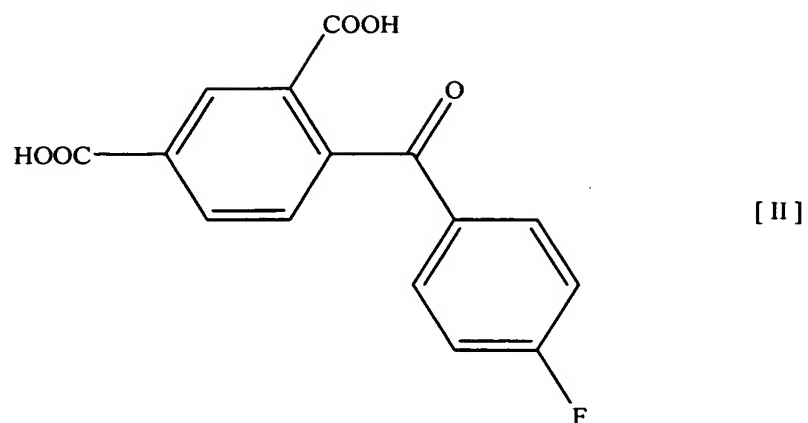
which comprises subjecting m-xylene as a starting material and solvent to Friedel-Crafts reaction with 4-fluorobenzoyl halide to give 1, 3-dimethyl-4-(4'-fluorobenzoyl)benzene and oxidizing said 1, 3-dimethyl-4- (4'-fluorobenzoyl)benzene.

6. A production method of a compound of the formula [ II ]



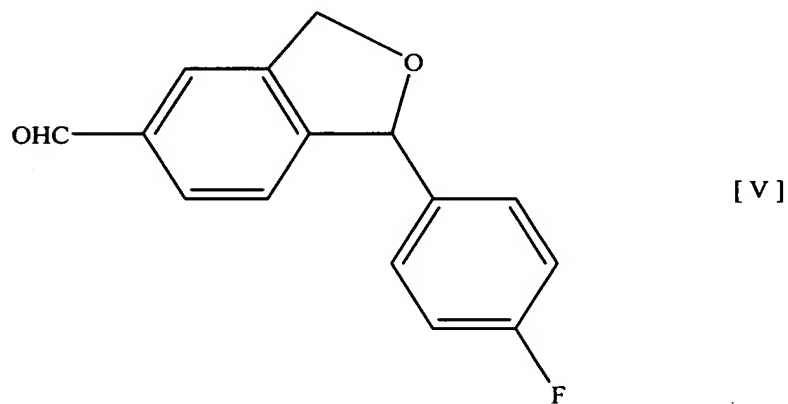
which comprises subjecting 2,4-dimethylbenzoyl halide to Friedel-Crafts reaction with fluorobenzene to give 1,3-dimethyl-4-(4'-fluorobenzoyl)benzene and oxidizing said 1,3-dimethyl-4-(4'-fluorobenzoyl)benzene.

7. A production method of a compound of the formula [ II ]

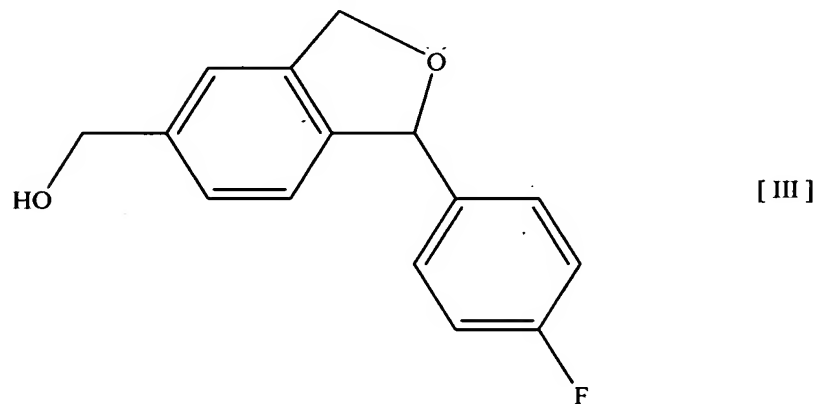


which comprises subjecting trimellitic anhydride to Friedel-Crafts reaction with fluorobenzene in a dichloro-substituted or trichloro-substituted benzene solvent.

17. A production method of a compound of the formula [ V ]



which comprises oxidizing a compound of the formula [ III ]



with manganese dioxide.